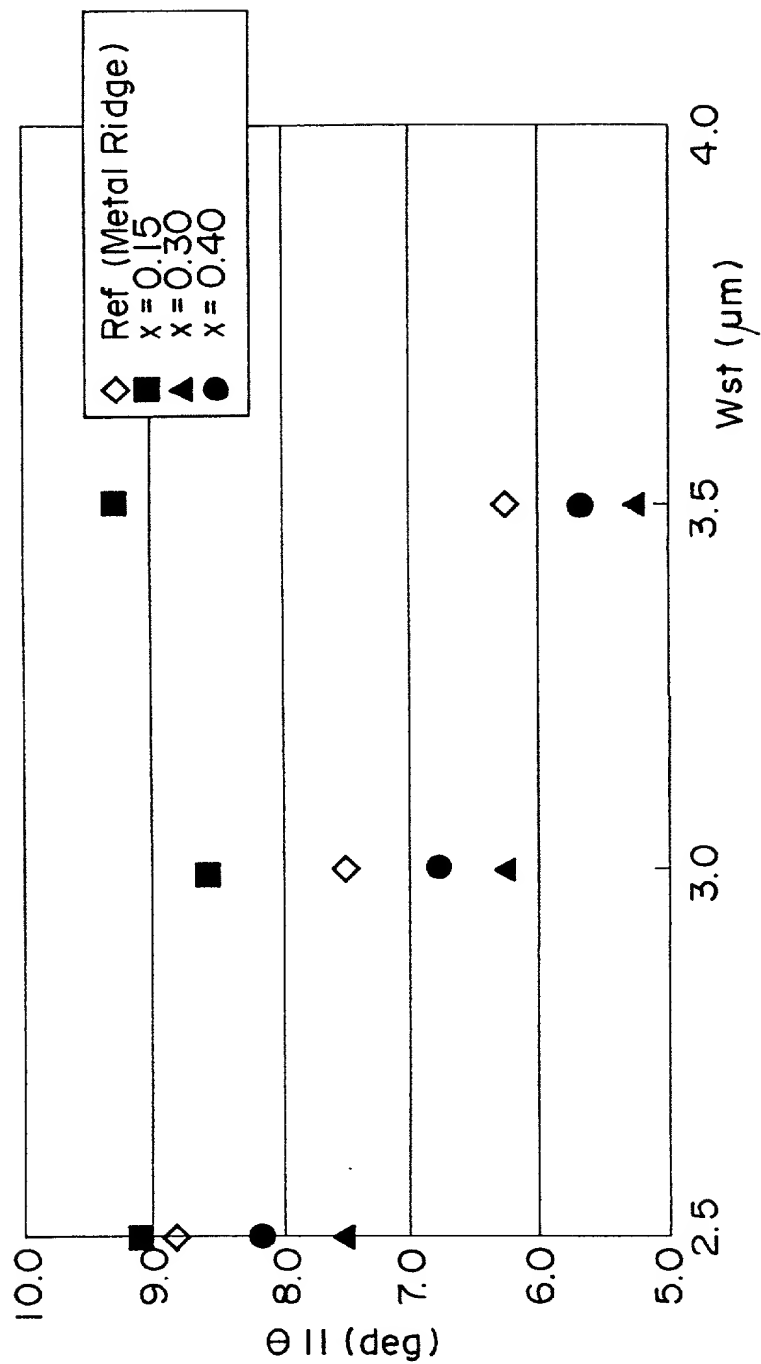
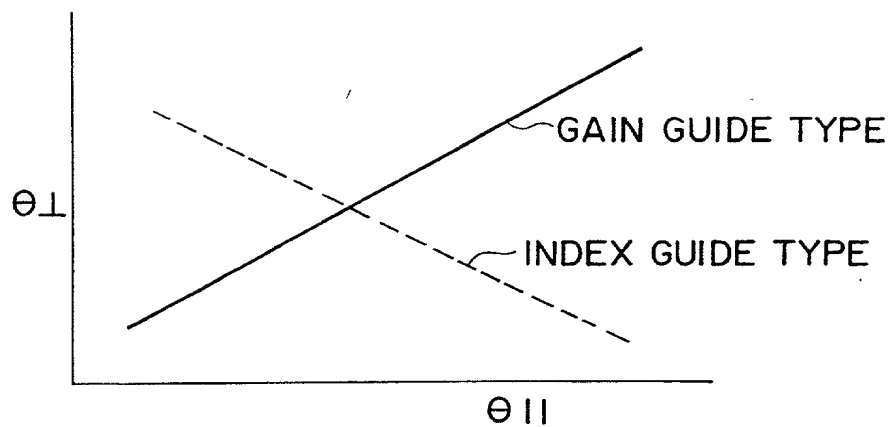




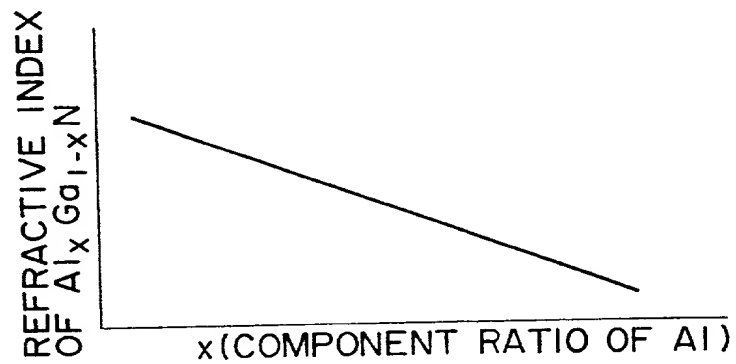
FIG. 2



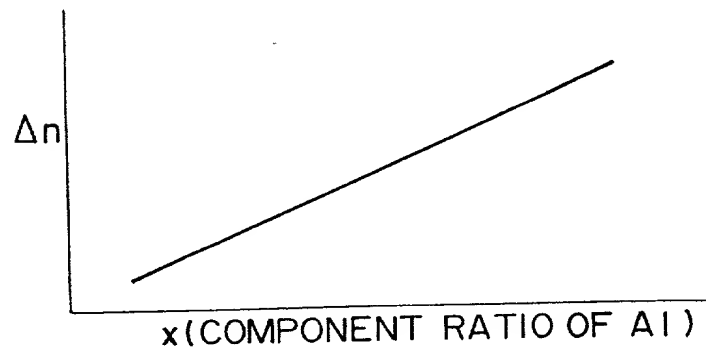
# FIG. 3



# FIG. 4A



# FIG. 4B





# FIG.6

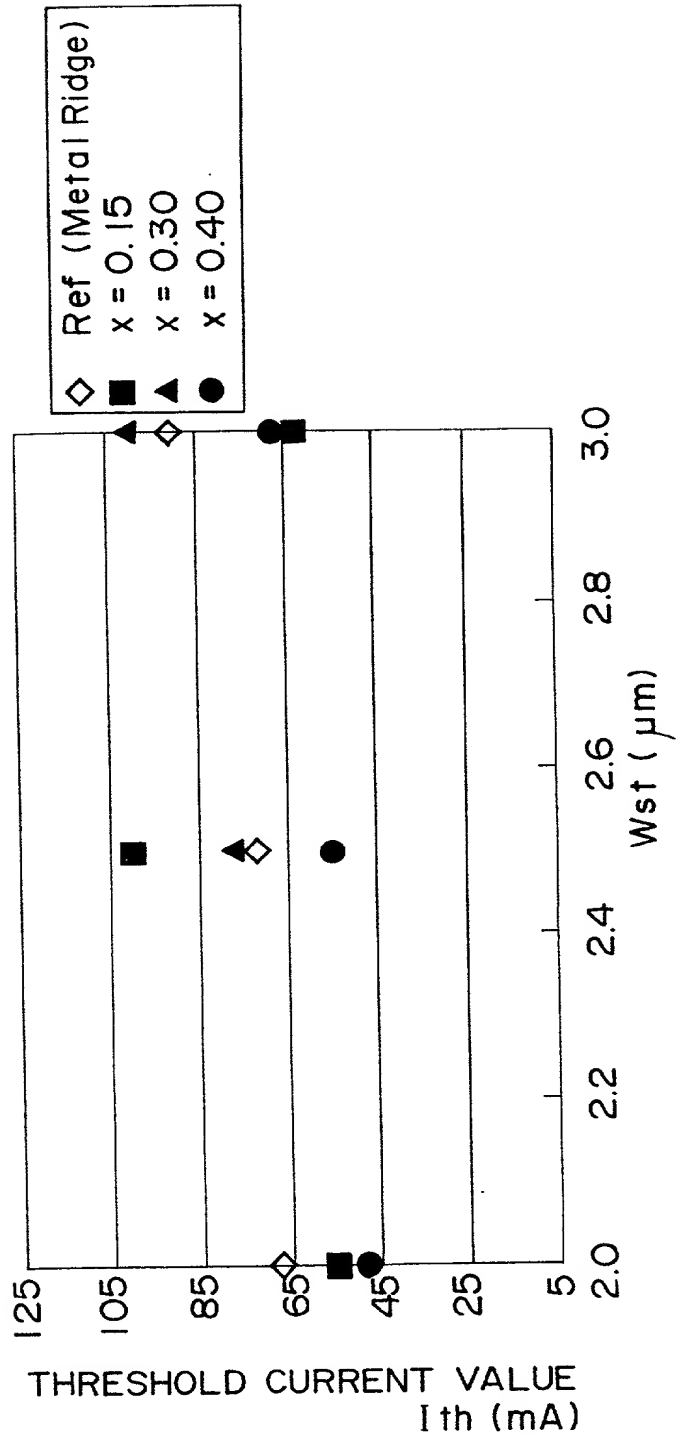


FIG. 7

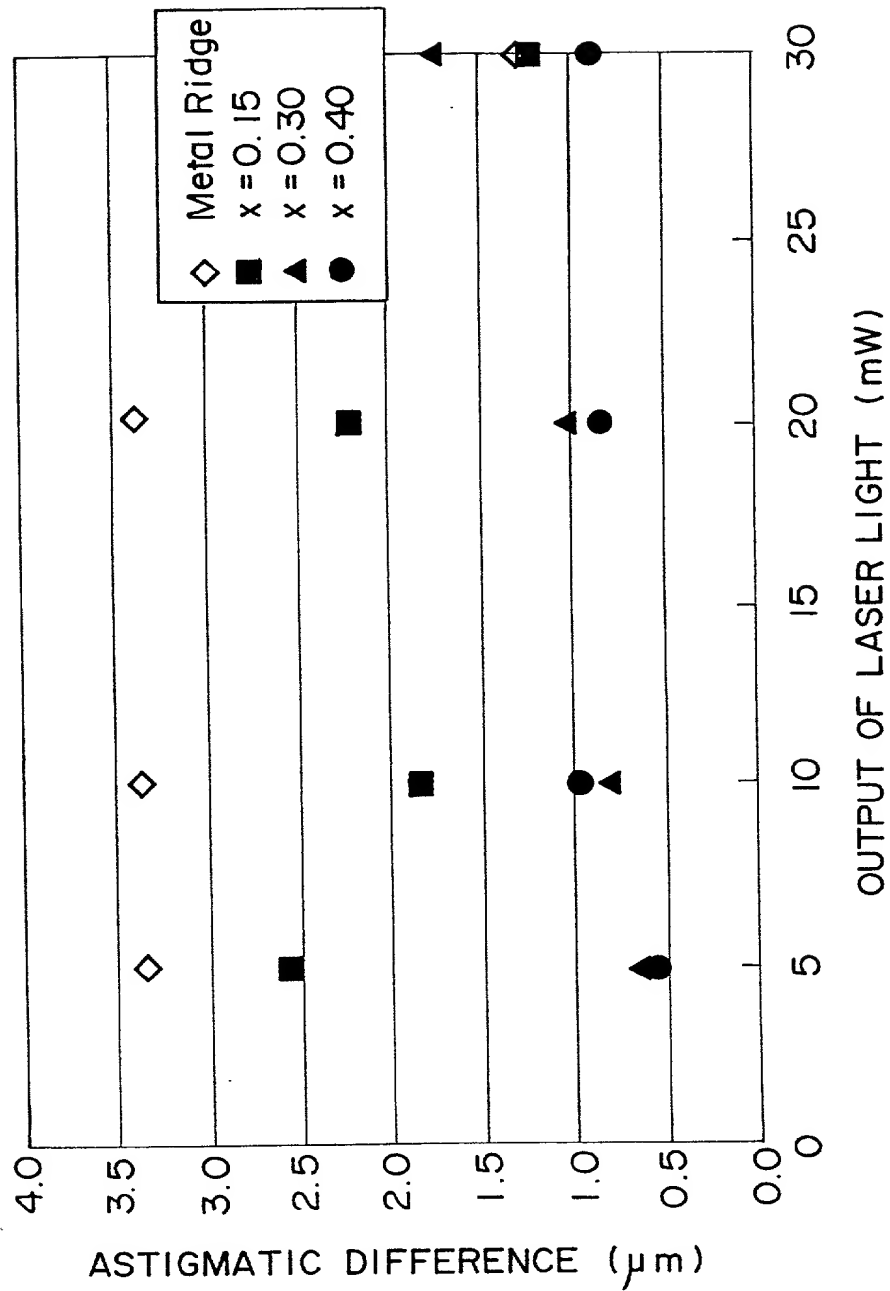


FIG. 8

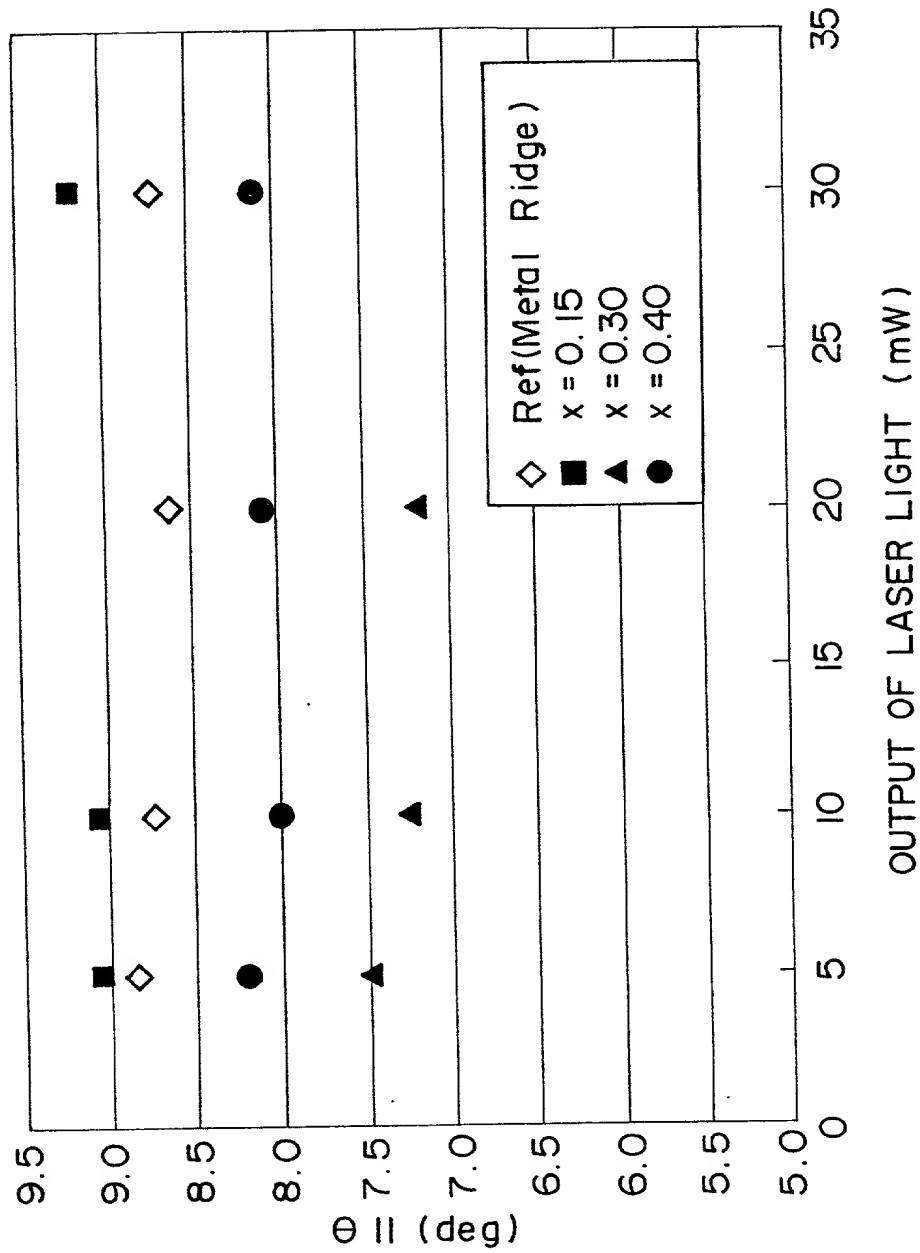


FIG. 9

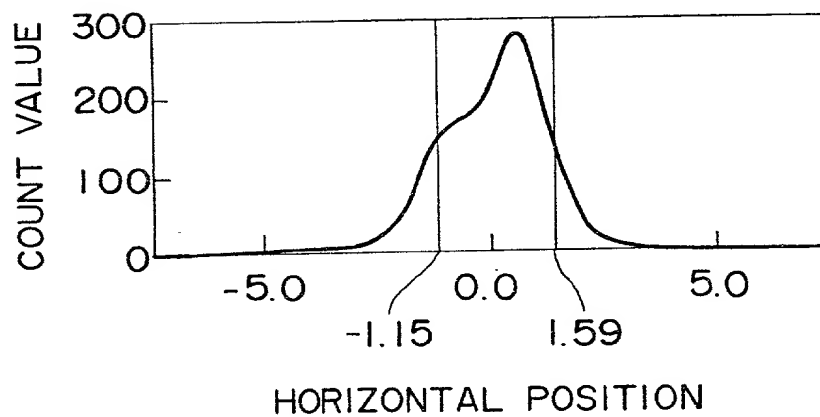
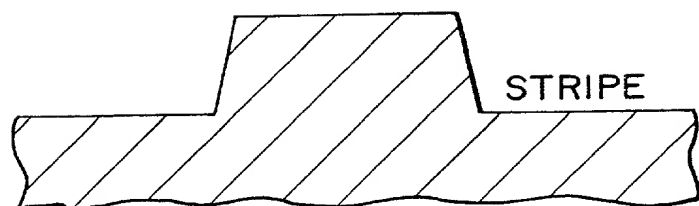




FIG. 10 is a graph showing the relationship between the threshold current value  $I_{th}$  (mA) and the particle size  $d_2$  ( $\mu m$ ). The graph shows a series of data points and a fitted curve, indicating that the threshold current value decreases as the particle size increases.

FIG. 10

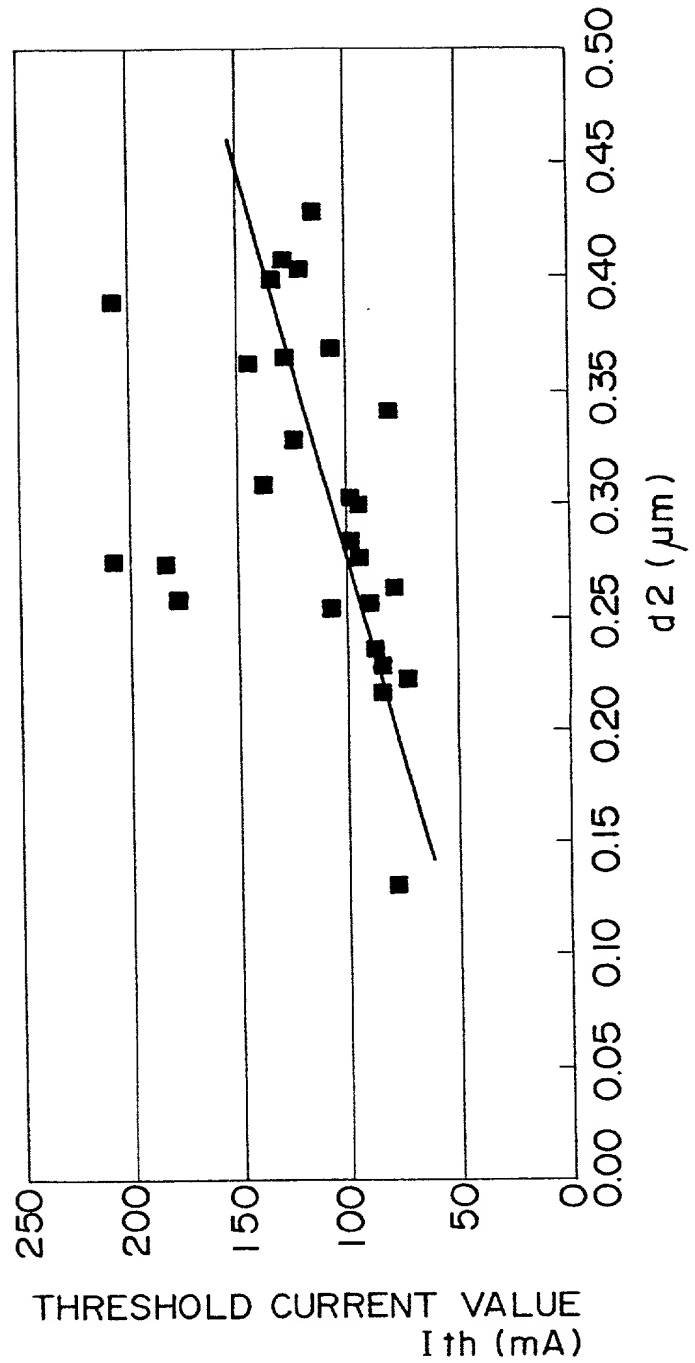


FIG. 11

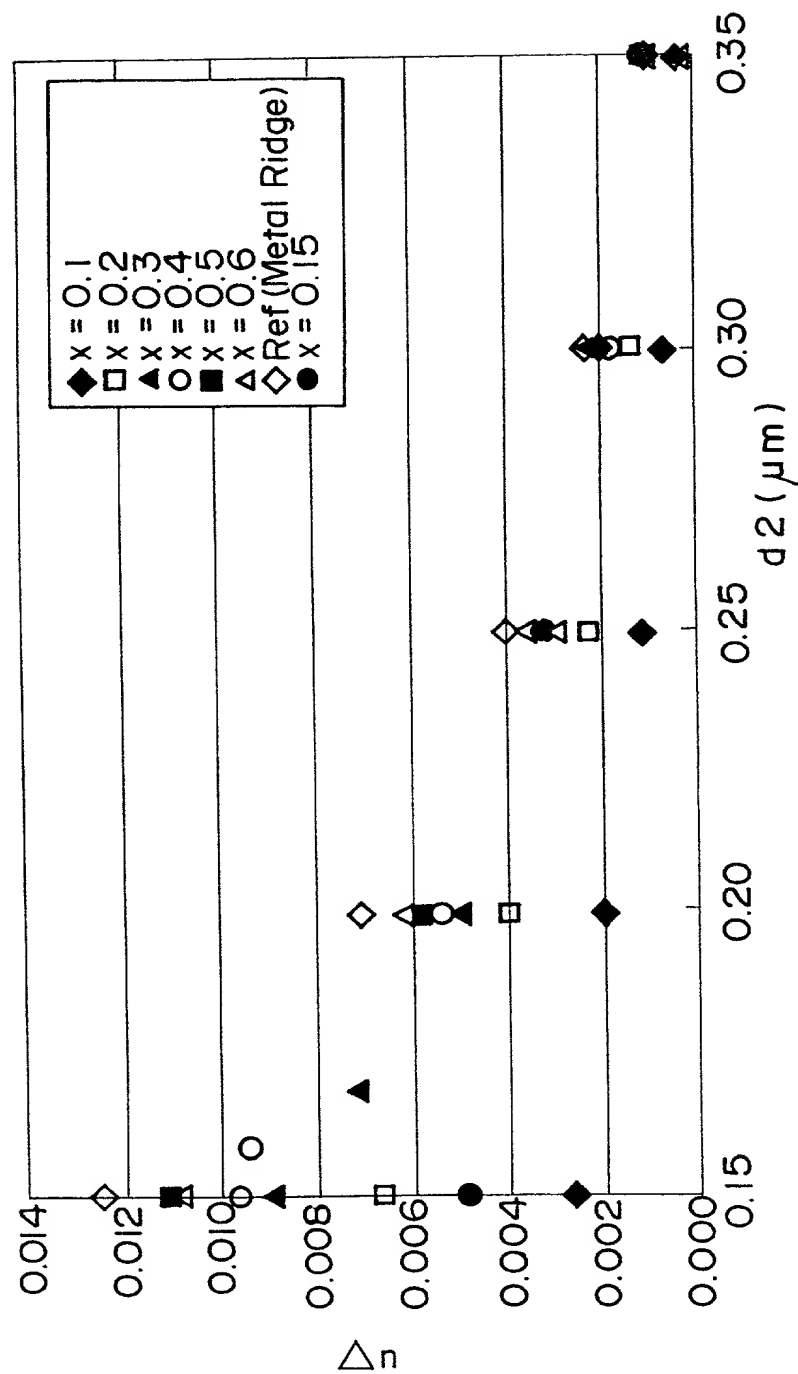
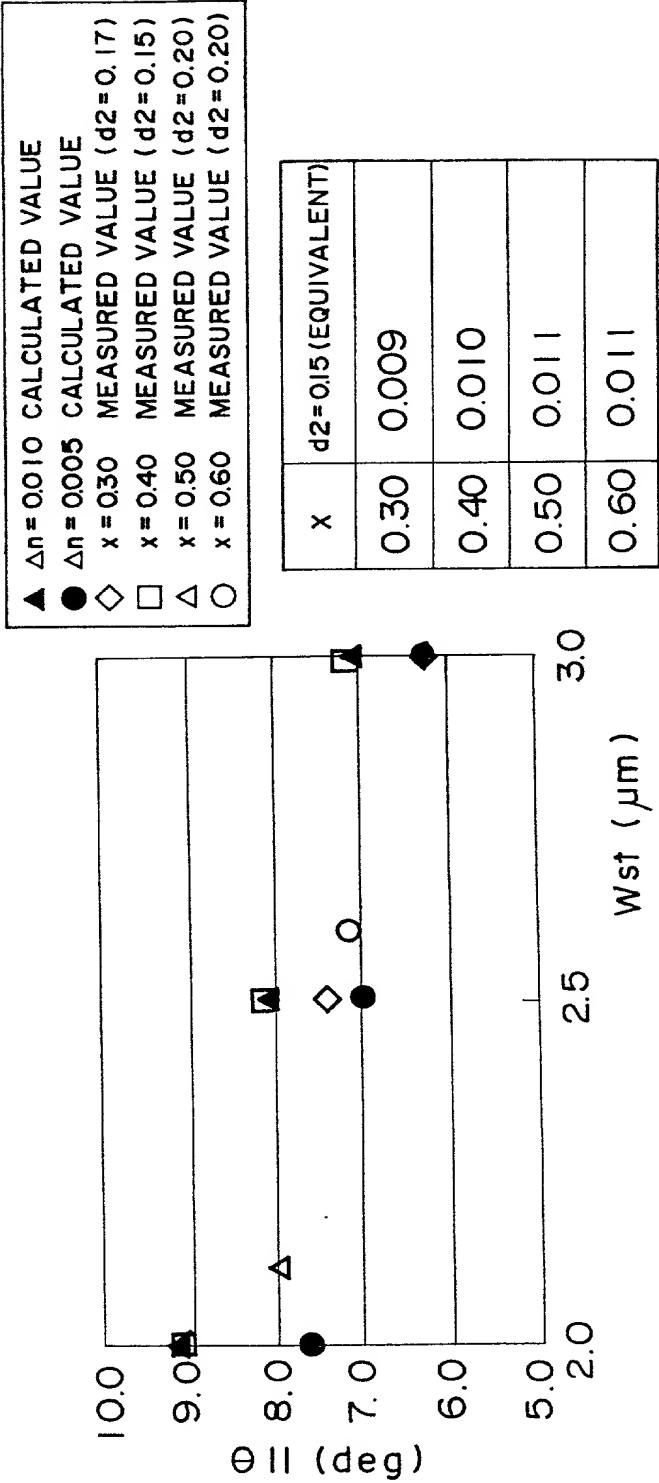


FIG. 12



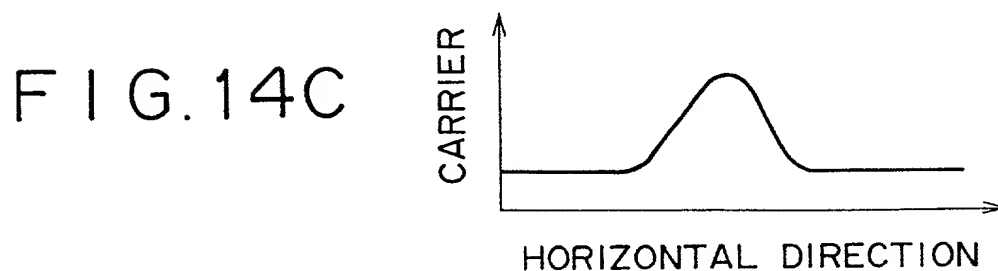
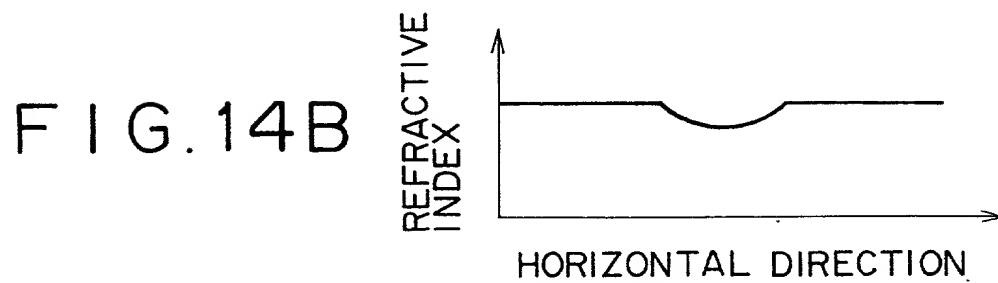
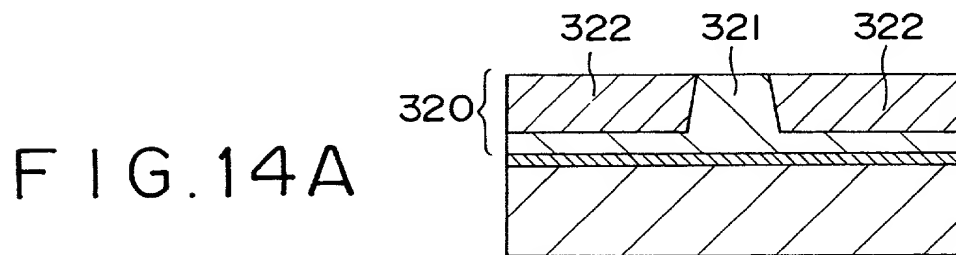
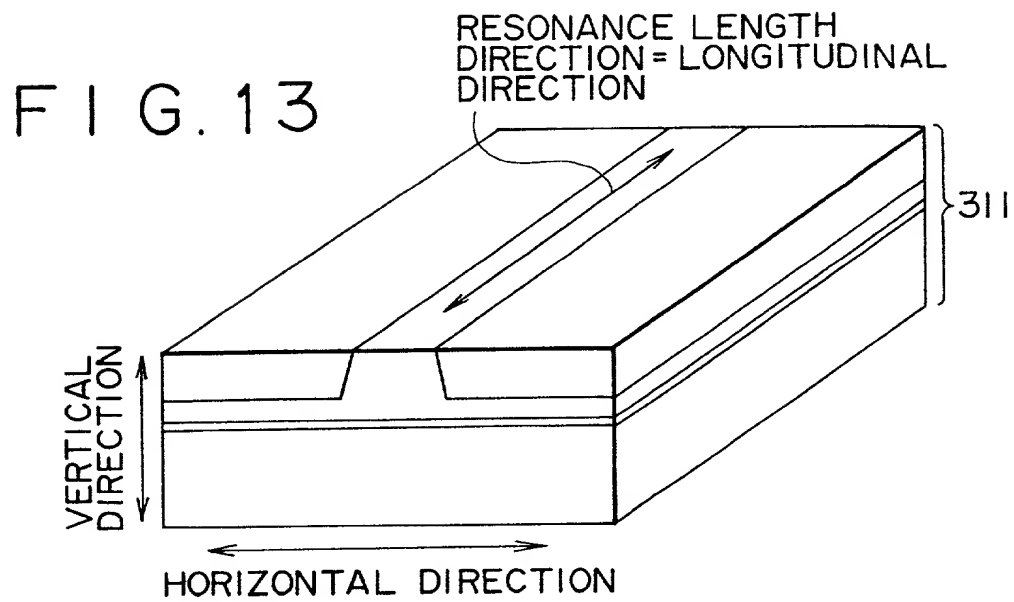


FIG. 15A

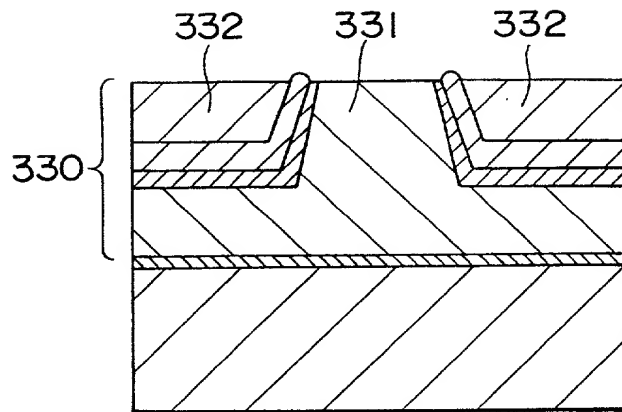


FIG. 15B

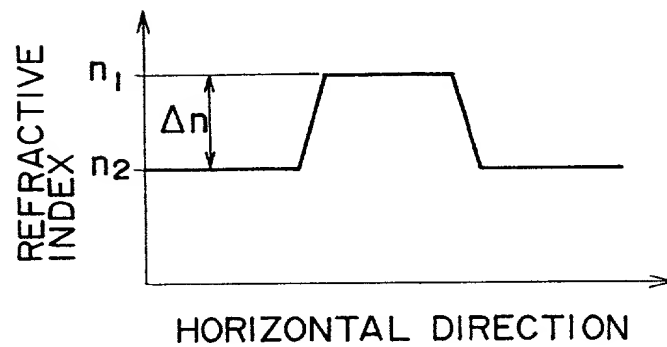


FIG. 15C

